PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	AAAAAAA AAAAAAA AAAAAAA		2222222222 22222222222	ннн ннн ннн	ннн ннн ннн
PPP PPP	AAA AAA	TTT	CCC	ННН	ннн
PPP PPP	AAA AAA	İİİ	ČČČ	ННН	ннн
PPP PPP	AAA AAA	ŤŤŤ	ČČČ	HHH	ННН
PPP PPP	AAA AAA	ŤŤŤ	ČČČ	нин	ннн
PPP PPP	AAA AAA	ŤŤŤ	ČČČ	ННН	ННН
PPP PPP	AAA AAA	İİİ	ČČČ	ннн	ннн
PPPPPPPPPPP	AAA AAA	tit	ČČČ	нинининини	
PPPPPPPPPPP	AAA AAA	İİİ	ČČČ	нинининини	
PPPPPPPPPPP	AAA AAA	ŤŤŤ	ČČČ	нинининини	
PPP	AAAAAAAAAAAAA	iii	ČČČ	ннн	ннн
PPP	AAAAAAAAAAAAA	tit	ČČČ	ННН	ннн
PPP	AAAAAAAAAAAA	ŤŤŤ	ČČČ	ННН	ннн
PPP	AAA AAA	tit	ČČČ	ННН	ннн
PPP	AAA AAA	tit	ČČČ	ННН	ннн
PPP	AAA AAA	iii	ČČČ	ннн	ннн
PPP	AAA AAA	İİİ	CCCCCCCCCC	ННН	ннн
PPP	AAA AAA	iii	2222222222	ннн	ннн
PPP	AAA AAA	iii	2222222222	нин	ннн

PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	AAAAAA AA		CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	000000 00	NN NN NN NN NN NN NNN NN NNNN NN NN NN NN NN NN NN NN NN NN NN NN NN NN
		\$			

PA

Chris Hume

PROGRAMMER

Added double byte OPcode support. Changed use of PAT\$CONV R 50 to the RTL routine R50ASC. Removed the former from this module.

**PURPOSE** 

01.09

MODIFICATIONS:

DATE

27-Aug-1979

PA

PATCON V04-000				K 9 16-Sep-1984 00:26:45 14-Sep-1984 12:52:30	VAX-11 Bliss-32 V4.0-742 Page 2 DISK\$VMSMASTER:[PATCH.SRC]PATCON.B32;1 (1)
58 0058 59 0059 60 0060 61 0061 62 0062 63 0063 64 0064 65 0065 66 0066 67 0067 68 0068 69 0069 70 0070	00 01 02 03 03 04 05 06 07 08	19-0CT-77 4-JAN-78 21-FEB-78 24-MAR-78 04-APR-78 25-APR-78 18-MAY-78 13-JUN-78 19-JUN-78	K.D. MORSE K.D. MORSE K.D. MORSE K.D. MORSE K.D. MORSE K.D. MORSE K.D. MORSE K.D. MORSE K.D. MORSE	NO CHANGES FOR USE EMUL FOR O'REPLACE SELECT AS IN DEBUG OV THIS SAVES BYT NO CHANGES FOR CONVERT TO NATION CHANGES FOR	VERFLOW CHECK. WITH IFTHEN ERFLOW CHECK AS ES. (9) 10. IVE COMPILER. VERS 11. TO SIGNALS.

PATCON VO4-000				16-Sep-1984 14-Sep-1984	00:26:45 12:52:30	VAX-11 Bliss-32 V4.0-742 Page DISK\$VMSMASTER:[PATCH.SRC]PATCON.B32;1 (2)
73 74 75 76 77 78 79 80 81 82 83	0072 0073 0074 0075 0076 0141 0181 0403		ROUTINE PAT\$RADX_CONVRT : NOVALUE; 'SYS\$LIBRARY:STARLET.L32'; 'SRC\$:VXSMAC.REQ'; 'SRC\$:PATPCT.REQ'; 'SRC\$:PATGEN.REQ'; 'LIB\$:PATDEF.REQ'; 'LIB\$:PATMSG.REQ';			! Converts a string to a value
83 84	0403 0457 0631 0632 0633	1 EXTERNAL	PAT\$GB_MOD_PTR: REF VECTOR [,	BYTE];		! Pointer to current modes

PA VO

:

......

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.....

```
PATCON
VO4-000
                                                                                       16-Sep-1984 00:26:45
14-Sep-1984 12:52:30
                                                                                                                       VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[PATCH.SRC]PATCON.B32;1
                                VALUE[1] = 0;

GIVE_MESSAGE = FALSE;

NEGATE = FALSE;

INCR N FROM 0 TO (NUM_MAX_LENGTH - 1) DO
                     0691
0693
0693
0694
0696
0696
0701
0702
0706
0706
0707
0716
0717
0718
0719
    BEGIN

IF (CHAR = .STRING_ADDR [.N]) EQL O THEN EXITLOOP;

IF (.N EQL O)
                                            THEN
                                                      BEGIN
IF (.CHAR EQL '-')
THEN
                                                                 BEGIN
NEGATE = TRUE;
CHAR = 'O'
                                                      ELSE
                                                                 IF (.CHAR EQL '+')
THEN CHAR = '0';
                                           IF ((.CHAR GEQ 'O') AND (.CHAR LEQ '9'))
                                           THEN
                                                      CHAR = .CHAR - '0'
                                           ELSE
                                                      IF ((.CHAR GEQ 'A') AND (.CHAR LEQ 'F'))
                                                      THEN
                                                                 CHAR = .CHAR - 'A' + 10
                                                      ELSE
                                           IF . CHAR GEQ .PATSGB_MOD_PTR [MODE_RADIX]
                                           THEN
                                                      GIVE_MESSAGE = PAT$_INVNUMBER
                                           EMUL(VALUE[0], %REF(.PAT$GB_MOD_PTR[MODE_RADIX]), CHAR, VALUE);
IF .VALUE[1] NEQ 0
THEN
                                                      GIVE_MESSAGE = PAT$_NUMTRUNC;
                                                                                                                        ! Numeric overflow
                                IF (.GIVE_MESSAGE NEQ 0)
                                IF .NEGATE SIGNAL (.GIVE_MESSAGE);
                                THEN
                                VALUE O] = - .VALUE[0];
                                                                                                    .TITLE
                                                                                                               PATCON
                                                                                                               \V04-000\
                                                                                                     .EXTRN
                                                                                                               PATSGB_MOD_PTR
                                                                                                               _PAT$CODE,NOWRT,2
                                                                                                     .PSECT
                                                                          0010 00000
                                                                                                    .ENTRY
                                                                                                               PAT$RADX_CONVRT, Save R2,R3,R4 #4, SP
                                                                                                                                                                            : 0634
                                                     5E
```

PA

				B 10 16-Sep-1 14-Sep-1	984 00:26 984 12:52	2:45 VAX-11 Bliss-32 V4.0-742 2:30 DISK\$VMSMASTER:[PATCH.SRC]PATCON.B3	Page 6 32;1 (3)
		04 AE 53 50 04 BC42	D4 0000 7C 0000 D4 0000 PA 0000	25	CLRL CLRL CLRQ CLRL	VALUE VALUE+4 GIVE_MESSAGE N astring_addr[n], char	: 0690 : 0691 : 0692 : 0719 : 0696
		2D 50	7C 0000 9A 0000 13 0001 12 0001 12 0001 11 0001 11 0002	55790	BEQL TSTL BNEQ CMPL BNEQ MOVL BRB	11\$ N 4\$ CHAR, #45	0697 0700
		54 01 05 28 50	DO 0001 11 0002 D1 0002	3 25:	CMPL	2\$ #1, NEGATE 3\$ CHAR, #43	0703 0704 0707
		2B 50 03 03 03 03 03 03 03 03 03 03 03 03 03	12 0002 D0 0002 D1 0002 19 0003 14 0003 11 0003 11 0003 19 0004 D1 0004	8 35: B 45:	BNEQ MOVL CMPL BLSS	4\$ #48, CHAR CHAR, #48 5\$	0708 0710
		39 50 05 50 30	D1 0003 14 0003 C2 0003 11 0003	50 53 55 58	BLSS CMPL BGTR SUBL2 BRB	CHAR, #57 5\$ #48, CHAR 7\$	0712
	00000041	8F 50 0E 8F 50	D1 0003 19 0004 D1 0004 14 0004	A 58:	CMPL BLSS CMPL BGTR SUBL2	CHAR, #65 6\$ CHAR, #70 6\$	0714
		50 0100 8F	C2 0004	C	SUBL2 BRB MOVZWL	#55, CHAR 7\$ #256, CHAR	0716
50 00000000G	FF	08 00	3C 0005 ED 0005 14 0005 DO 0006	1 6\$: 66 7\$: 61	BRB MOVZWL CMPZV BGTR MOVL	#0, #8, aPAT\$GB_MOD_PTR, CHAR 8\$ #7176426, GIVE_MESSAGE	0718 0719 0721
6E	50	51 00000000G FF 51 6E	9A 0006	08	MOVZBL EMUL	9\$ aPAT\$GB_MOD_PTR, R1 VALUE, R1, CHAR, VALUE VALUE+4	0724
		07	D5 0007 13 0007 D0 0007	6 9\$: 9	TSTL BEQL MOVL AOBLEQ	VALUE+4 10\$ #7176227, GIVE_MESSAGE	0725
	88	52 13 53 09	F3 0008 D5 0008 13 0008	32 10\$: 36 11\$:	AOBLEQ TSTL BEQL	10\$ #7176227, GIVE_MESSAGE #19, N. 1\$ GIVE_MESSAGE 12\$	0727 0694 0729
	0000000G	53 006D8023 8F 13 53 09 53 00 01 03 6E 8C	DD 0008 FB 0008 E9 0009 CE 0009 D0 0009	36 3 12\$:	TSTL BEQL PUSHL CALLS BLBC MNEGL	GIVE_MESSAGE #1, CIB\$SIGNAL NEGATE, 13\$ VALUE, VALUE VALUE, aVALUE_ADDR	0731
	08	6E 6E	13 0007 D0 0007 F3 0008 D5 0008 DD 0008 FB 0008 E9 0009 CE 0009 04 0009	99 13\$: 00	MNEGL MOVL RET	VALUE, VALUE_ADDR	0732 0734 0735 0736

PAT VO

; Routine Size: 158 bytes. Routine Base: \_PAT\$CODE + 0000

VAX-11 Bliss-32 V4.0-742 Page DISK\$VMSMASTER:[PATCH.SRC]PATCON.B32;1 PATCON VO4-000 : 190 0737 1 END 0738 0 ELUDOM .EXTRN LIB\$SIGNAL PSECT SUMMARY Attributes Bytes Name \_PAT\$CODE 158 NOVEC, NOWRT, RD, EXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2) Library Statistics Processing ----- Symbols -----Pages File Time Total Loaded Percent Mapped \$255\$DUA28:[SYSLIB]STARLET.L32:1 9776 00:01.0 581 COMMAND QUALIFIERS BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/VARIANT:1/LIS=LIS\$:PATCON/OBJ=OBJ\$:PATCON MSRC\$:PATCON/UPDATE=(ENH\$:PATCON) 158 code + 0 data bytes 00:11.5 00:49.4 Size: Run Time: Elapsed Time: 00:49.6 : Lines/CPU Min: 3857 : Lexemes/CPU-Min: 55426 : Memory Used: 107 pages : Compilation Complete

PAT

0300 AH-BT13A-SE

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